


EXHIBIT 3

— SN 08/334,843

Installation Manual


January 1996



MAT.
MODULAR ADVANCED TECHNOLOGY
07523-97CN
9214 F
Vehicle Security

VEHICLE SECURITY AND KEYLESS ENTRY

Unrivaled Clear Sealing Yellow White Pink
Totally Flat Wood Grain Brush Blue



Design Today's High-Tech Vehicle Alarm

Police report indicate any vehicle alarm system installed after 1990 must be a "high-tech" alarm system. MAT's new 9214 F is the only alarm system that meets this requirement. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems.

Only MAT Gives Protection from H

MAT's 9214 F is the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems.

Let MAT Advance Its

MAT's 9214 F is the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems. It's the only alarm system that can be installed on any vehicle, including those with remote keyless entry systems.

COMPONENT BASED HIGH-END AUTO SECURITY IS FINALLY HERE!

Meet the Steal-stopper PS/2 Series, the first high-end auto security that you can stock, sell and install just like car audio.

Components make that possible and the PS/2 is the first true component system.

You pick the right transmitter, the best sensors and the PS/2 CPU – the central processing unit – lets you create any system, from simple to sophisticated. Here's how:

The CPU has "Learn Routine," an intelligence smart enough to code itself with just the touch of a button. The PS/2 CPU will recognize up to four different remotes on two different channels.

Coding is a snap. So is adding an extra transmitter or replacing a lost one. Just push the button.

But there's more.

The PS/2 Series is fully programmable and completely self diagnostic with multi-user capability.

That's high-end auto security. Component ready for any install.

That's why the PS/2 is changing the way dealers stock, sell and install.

So see the future of high-end auto security. Call 1-800-876-0800. Find out why high-end auto security doesn't have to have a high-end price.



**Security
for the Best**

**STEAL
STOPPER®**

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Circle 164 on Inquiry Card

Installation News January 1990

Technical Journal

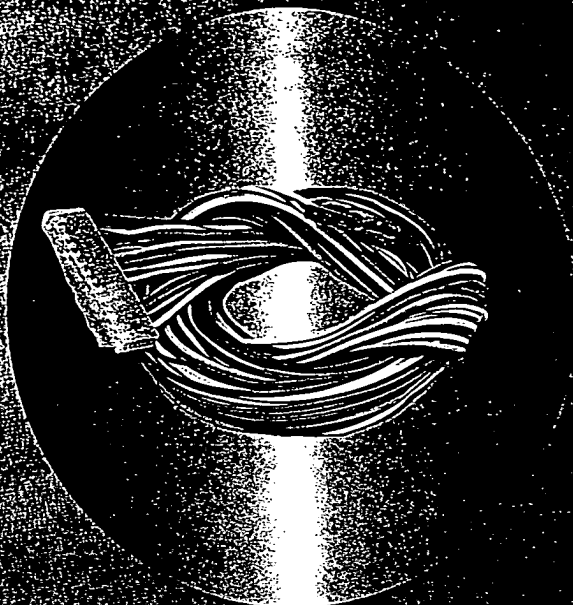
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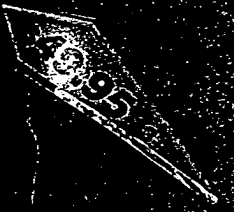
providing
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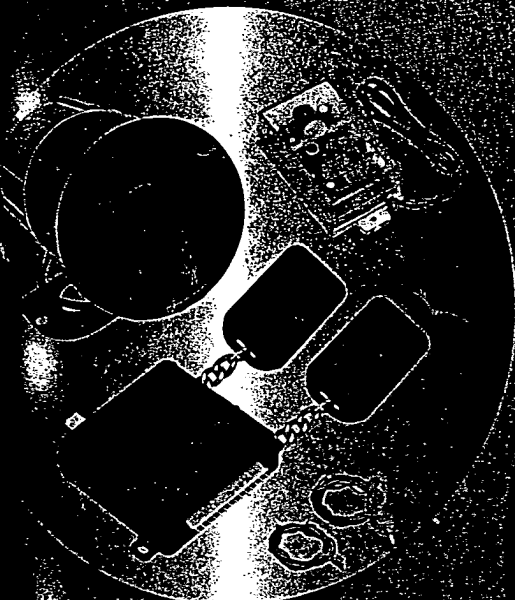
START WITH A MICRO UNIVERSAL WRING HARNESS

and you're in the end in our
 Our unique message is distinctive and
 with our research and development
 Our products are not only
 offering in the market.



● KEYLESS ENTRY SYSTEM
● PART NO. DL888

- ☒ Inclines 2" x 6" type Remond
- ☒ Square Channel Orphan
- ☒ Door Lock 1 x 1/2 x 3/4 Orphan
- ☒ Lifetime Tool Warranty
- ☒ Double Bag Ship
- ☒ Starter Kit Only
- ☒ 1" x 1/2" Channel Orphan
- ☒ LRD Orphan
- ☒ Phishing Element
- ☒ Code



100-300

1. James Thompson
 2. John Thompson
 3. John Thompson
 4. John Thompson

[illegible]

Journal of Management Education 30(6)p.789-804
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CALL FOR A
1995 CATALOC

MICRO

In the USA 1-800-Micro-99 All other Countries (213) 249-9999 Fax (213) 249-0476

Can't Touch This!

The Phantom Alarms are here with a bang! More features, better quality and lower price than any other manufacturer can touch.

PHANTOM PH-700

An entry level, Self Contained, easy to install system with features like Built-In IMPACT sensor and an ingenious ADJUSTABLE Voltage Sensing circuit, designed to really speed up installations.

PHANTOM PH-800

A sophisticated, Micro Processor Controlled, Self Contained system, designed with more features than ever seen in the systems of this type. Including Code Learning, Built-In Lights Relay, Power Locks (including Vacuum), Trunk Release and much more. Extremely tough and reliable, all components Military Specs.

PHANTOM PH-900

The PH-900 is one of the most advanced professional security systems ever designed. Yet the fully modular and plug-in design of this system affords fast installation and reliable operation. The PH-900 includes our design of the most reliable IMPACT sensor in the industry; No springs or microphones. This system is also the first ever to include 3 multi-channel Remote Transmitters.

PHANTOM PH-1000

Designed for the full featured installation without the addition of a single external relay, including Doorlocks, Lights, Trunk Release (or Aux) and Engine Disable relays. In addition, Domelight Supervision (or Supervised Hood Lock), Sensor power Output, 4 Isolated Trigger inputs, Multi Mode LED, Siren and Lights. Also includes 3 Multi Channel Transmitters.

See the Phantom line at the 91 CES Show
West Hall, Booth #6472



Impact Technologies, Inc. 1-800-735-7888
Outside the U.S. call (213) 673-6499

Phantom is a registered trademark of Impact Technologies

Circle 114 on Inquiry Card

Don't call it a new idea, 1990 0 n s o l s g e o o i t a r s, x e n - i -



Models: FBI-515 & 517

FBI's high quality vehicle security systems give you total vehicle security, plus the luxury of remote control vehicle access, from a key-chain style remote transmitter. Enjoy the peace of mind of knowing that your alarm is alert to any attempt to tamper with your vehicle and that when you return, the system enables you to enter your vehicle swiftly and safely. FBI Car Alarms include the following features:

Arm Confirmation Chirp

The press the large button from your key-chain transmitter will arm this system with one short audible siren chirp to confirm that the alarm is armed.

Disarm Confirmation Chirp

Pressing the large transmitter button once more will disarm the alarm system and is confirmed by two short audible siren chirps.

CODE JUMPINGSM and Scan Deterrent Receiver

The FBI-517 Car Alarm features a scan deterrent receiver with billions of possible coding combinations. In addition, each time that you press the transmitter button the transmitter will jump to a new digital code. Therefore, you never transmit the same code twice, thus preventing a "code grabbing device" from operating your alarm system.

Pre-warn Inputs

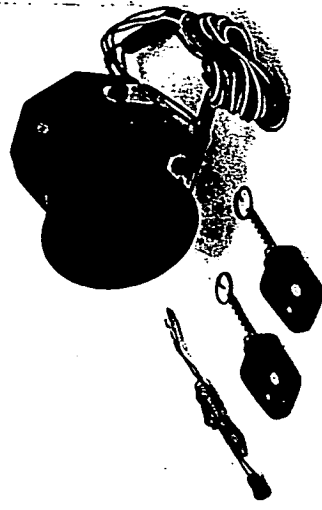
The FBI-410 & 411 Car Alarms come with a pre-warn siren chirp circuit that uses a built-in dual zone shock sensor to warn potential thieves to stay away from your car without triggering your FBI Car Alarm.

127dB Single Tone Piezo Siren

The FBI-410 & 411 Car Alarms are capable of generating a siren sound of up to 127dB. This will create more than enough noise to warn you in the event of an alarm trigger and cause the thief to flee.

FBI CAR ALARM

Since 1970, More than 8 Million People Worldwide Have Trusted Their Vehicle's Security To The Makers Of FBI Car Alarms



Models: FBI-410 & 411

In the event your car is broken into. It can also operate optional Window Roll-up Module which will automatically roll up your car's windows when you arm your vehicle from your transmitter. Ask your dealer for details.

Parking Light Output

This output will flash your vehicle's parking lights when arm and disarm your alarm as well as flash the parking lights on and off while the alarm is sounding.

Door Lock / Unlock / Trunk Release

Available with the FBI-515 & 517, a door lock output featured that will lock and unlock your vehicle's electronic locks when you arm and disarm your alarm. A trunk release output is also available with these models that can operate your vehicle's electronic trunk release from your alarm transmitter. Ask your dealer about installing these options.

Passive Arming / Passive Door Locking

When programmed, the alarm will automatically arm itself seconds after the last door is closed. When the passive locking feature is selected and the optional door locking receiver are installed, the alarm will also lock your vehicle's electronic door locks.

Remote Panic From Transmitters

In the event that a threatening situation should arise, FBI Alarms can be triggered remotely from the alarm's transmitter by simply pressing the large button for three seconds. This very effective personal security measure when walking to your vehicle.

Valer Switch

In the unlikely event that you should lose your transmitters, alarm can be deactivated using the valer switch in conjunction with your ignition key to disarm your alarm.

60 Second Auto Shutdown and Rearm

Each FBI Car Alarm contains a 60-second automatic shutdown and rearm circuit which will keep the alarm legal within most local noise ordinances for alarm devices. The system will also rearm itself after the automatic shutdown has overridden any circuits that are defective or open at the time of rearming. This override circuit also works when you arm your alarm with a door open. The alarm will automatically arm and by-pass an open door or defective circuit until the door is closed or circuit repaired.

LED Status Indicator Light

A LED Status Indicator Light comes with each alarm. When connected, it gives you a visual indication of the status of the alarm's operational modes.

CODE LEARNING Alarm Modules

All FBI Alarms can be programmed to operate from up to four different transmitters. The alarm circuitry is designed to be intelligent enough to code itself to the transmitters that you select. You will never again have to cut traces or flip switches to make your transmitters work your alarm. Transmitter replacement is now a breeze. Nobody, not even your installer, will know what your transmitter code is.

127dB Multi-tone Siren

The FBI-515 & 517 alarm sirens can generate a loud 127dB multi-tone sound whose tones change more than 12 times a minute. The tones are distinctive enough to be recognized by you in the event your alarm is triggered.

Starter Interrupt Circuit

When any FBI Car Alarm is armed, it creates a 500ma ground output that can be used to operate an optional Starter Disable Relay. This relay, when connected, will allow your alarm to disable your vehicle's starter and prevent it from operating

**"We know what it takes
to be the best."**

Over the past decade, we've worked hard to establish a track record of consistent national leadership in the manufacturing and distribution of vehicle security systems. Today, Code-Alarm is the industry's Number One manufacturer...for a number of good reasons:

1

More products to choose from, for your security conscious customers.

Code-Alarm makes a wider range of vehicle security systems than any competitive manufacturer. Foreign or domestic. From passive to digital to remote system, plus the broadest range of accessories, Code-Alarm delivers the proven line-up you need to reach the greatest number of security-conscious customers in your area.

2

Largest total volume sales in the industry.

Code-Alarm products are the people's choice in vehicle security systems. That's why we consistently sell the largest total volume in the industry! Month after month, year after year, Code-Alarm provides your customers with the best-selling line-up available anywhere in the world.



3

Priced to sell, with more value for the dollar.

All of our products are proven price competitors. But that's not all. At Code-Alarm, we build more quality, more durability, and more security and convenience features into our product line than any other manufacturer. As a result, we receive consistently high ratings from both the press and our long list of satisfied customers. While you receive consistently high profits per product - as our loyal Code-Alarm dealers.

4

A Lifetime Warranty.

Because we aim high for built-in product quality, reliability and durability, we offer a Lifetime Warranty on our complete line, including accessories. It's just another way of saying, "We care about customer satisfaction. And we back it with the industry's best guarantees."

5

High-Tech Innovation.

We've introduced at least one new or improved product every year since we opened our doors more than a decade ago. The reason? At Code-Alarm, we never stop searching for innovative high-tech advances that can be practically applied to the development of more sophisticated, "intelligent" - and yet "user-friendly" - vehicle security systems.

One result of this search is our all-new **NightHawk** remote control vehicle security system.



The Code-Alarm NightHawk delivers an unparalleled combination of high performance, convenience and reasonable price.

The NightHawk is installer-friendly and is compatible with all vehicles without the need for additional modules or relays.

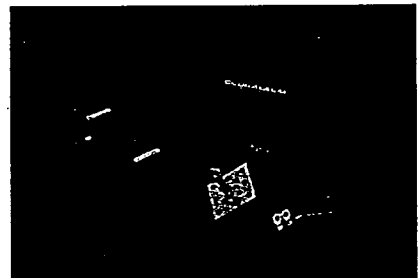
CODE- MEANS B

Code-Alarm's innovative high-technology is clearly evident with these standard features:

Self-diagnostics • Scan Deterrent • Electronic Shock Sensor • 125 dB Siren • Passive/Active Arming • Valet • Chirp Defeat • Door Lock/Unlock Relays on board • Code Learning - no more cutting traces or resoldering jumpers; simply teach a remote to the receiver (holds 2 different codes in memory) • Flashing Light Output • 2 System Operation - button number 2 will operate our new System 2000 for the home • 4 Function LED - explains status via LED (on, off, valet, tripped) • Panic Function.

6

Unmatched Optional Accessories.



Code-Alarm provides your customers with the widest range of optional accessories in the industry. Each accessory is designed to help you tailor your customer's security system needs to their specific vehicle! The result, once again, is not only increased customer satisfaction, but increased profits - for you!

Here's a partial list: • MV-1 Micro-Vision Sensor detects unwanted movement in the vehicle • SS-2 Sound Sensor detects glass breakage • APS-1 Auxiliary Power Supply provides up to 40 hours of continuous alarm protection when vehicle power is lost • MTS-1 Memory Tilt Switch • HL-5 Electro-mechanical Hood Lock with emergency override.

Excabulbur's programmable and optional features give you the flexibility to create a custom alarm system for maximum protection. Your dealer can install and program Excabulbur to

***Excalibur protects your vehicle
with the industry's most unique, advanced anti-theft features:***

ture automatically changes the transmitter and receiver to a new code every time you use virtually impossible.

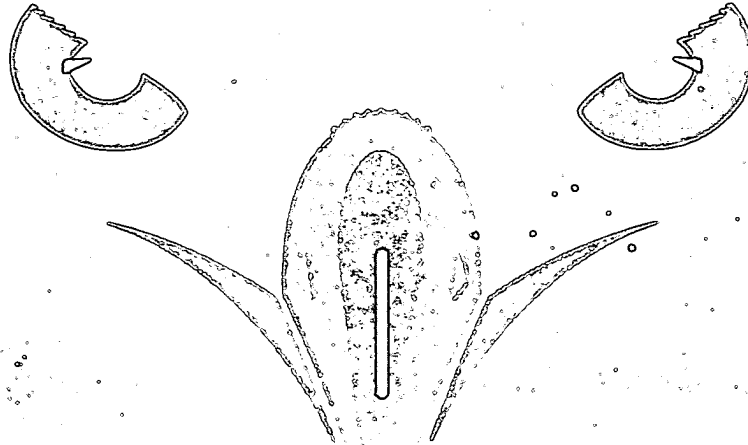
- ☐ **Automatically arm the alarm and lock the doors 30 seconds after the last door is closed.**
- ☐ **Re-arm the alarm 90 seconds after disarming to prevent accidental disarming.**
- ☐ **Vehicle Features (Additional Parts And Labor): For The Following Features, Add The Following To The Price Of The Alarm:**
- ☐ **Unlock trunk, disarm alarm, and unlock doors with a single transmitter. (Included with most other systems; require two steps.)**
- ☐ **Lock/Unlock doors when ignition is turned on/off.**
- ☐ **Disable your vehicle's starter when the alarm is armed – in hijack – or in personal panic mode. (Relay and socket parts included with Model AL-900IX and Model AL-1000SX.)**
- ☐ **Lock doors automatically when the alarm is triggered, panicked, hijacked, or when ignition is first turned on.**
- ☐ **Automatically unlock doors on disarming when personal panic is turned off, panic is cancelled, or ignition turned off.**

Only Breeding Cries for All These Custom Programs! - Finest!



BLACK EAGLE

"SECURITY SYSTEMS THAT SCAR ABOVE THE REST"



NOVACOMM

Novacomm is a division of a well established semiconductor corporation in Seoul, Korea, which has become one of the largest manufacturers of cellular phones, notebook computers and auto security systems for worldwide distribution. We have been manufacturing major brand name auto security systems for various O.E.M.'s worldwide and are now ready to launch our own brand name.

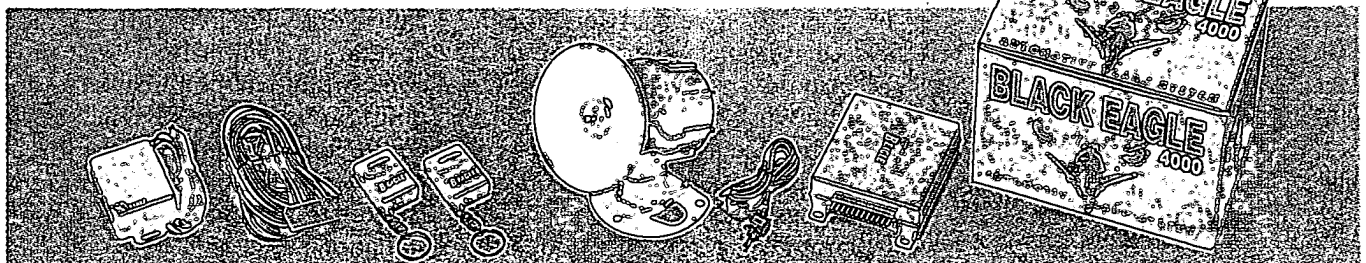
**Installers, get ready for the
BLACK EAGLE SERIES!**

FEATURES

- Dual-Button Transmitters
- Channel One/ Arm, Disarm, Panic, Valet Modes
- Channel Two/ Trunk Release
- Chirp Silent Modes
- 1 Million Codes
- 120dB 6-Tone Electronic Siren
- Magnetic Shock Sensor
- LED Status Indicator
- Parking Light Flash
- Domelight Supervision
- Ignition Controlled Unlock
- Code Learning System
- Security Diagnostics & Reporting
- Error Bypass & Reporting
- Selectable Passive/ Active
- Selectable Chirp Mode
- Selectable Passive Lock/ Unlock
- Selectable Ignition Controlled Unlock
- Channel Three/ Remote Start
 - Conv. Top ON/ OFF
 - Sunroof ON/ OFF
 - Power Window
 - Domelight ON/ OFF
 - Trunk Release
- (Choice of One)
- Ignition Lockout Safety System
- Power Door Lock

DISTRIBUTORS & DEALERS FROM ALL AREAS ARE INVITED TO CALL
NOVACOMM AUTO SECURITY DIVISION

NATIONAL: (800) 757-3006 • FAX: (818) 757-3008

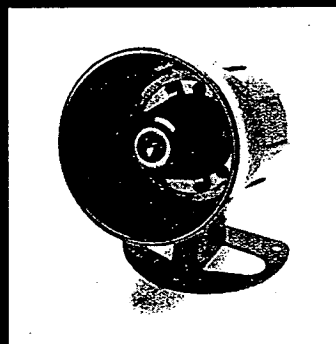


NOVACOMM • 6925 CANBY AVE., SUITE 107, RESEDA, CA 91335 See us at WCES Booth #3663!

Circle 121 on Inquiry Card

Installation News

Dec. 1993



HAWK SECURITY SYSTEMS

Those who demand reliable and quality security systems will be satisfied with **Hawk Automotive Alarm Systems**. Which-ever model you choose, **Hawk** will unerringly protect your investment and provide ultimate convenience features.

S: Standard Feature

O: Optional Feature

*: Additional Components May Be Needed

HAWK FEATURE LIST	3000	3100	3300	1000
Lifetime Warranty	S	S	S	S
2-Button, 1 Channel Remote	S			
2-Button, 3 Channel Remote		S	S	S
Arm, Disarm & Panic	S	S	S	
Power Door Lock, Unlock Outputs	S*	S*	S*	S*
Active, Passive Door Lock, Unlock	S	S	S	S
Active, Passive Arm, Disarm	S	S	S	
Ignition Controlled Lock, Unlock		S	S	S
Silent Chirp Mode		S	S	
Domelight Supervision		S*	S*	S*
120dB Six-Tone Electronic Siren	S	S	S	
Shock Sensor	S	S	S	
Switch Sensor	S	S	S	
Status LED	S	S	S	
Valet Mode	S	S	S	
Parking Light Flash	S	S	S	S
Code Learning	S	S	S	S
Previous Intrusion Alert	S	S	S	
Trunk Release		S*	S*	S*
Error Bypass & Reporting	S	S	S	
Start Module			S	O
Start Kill Relay	O	O	O	

Hawk-1000 is made for convenience use only



62 Bonaventura Drive
San Jose, CA 95134
Tel. 408/456 0333
800 875 0333
FAX 408/456 0366

Circle 137 on Inquiry Card

DISTRIBUTORS

WESTERN STATES: 714-995-6195, CENTRAL STATES: 312-286-4683

DISTRIBUTORS AND SALES REPS WANTED!

Nov. 1993

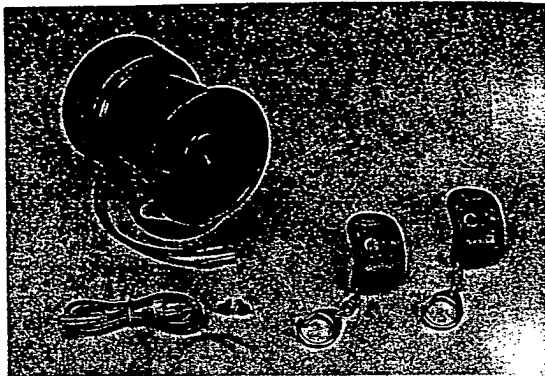
Installation News

D.I.Y. ALARM & REMOTE CONVENIENCE KIT

TRUNK / HATCH OPENER ACCESSORIES

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ipment manu
federal regula



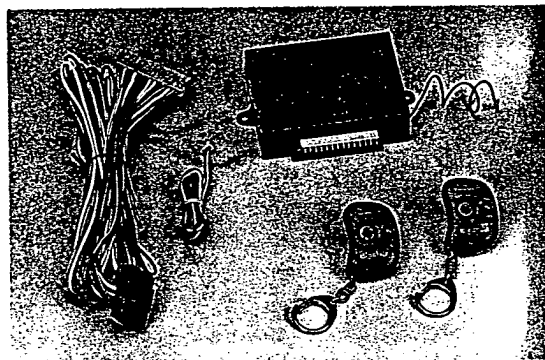
Patent Pending

D.I.Y. ALARM (W/remote select police sounds)

Model: 200

Features & Options:

- 2 TWO-BUTTON TRANSMITTER • CODE LEARNING
- BUILT-IN 2-STAGE SHOCK SENSOR
- REMOTE SHOCK SENSITIVITY DECREASING
- VOLTAGE SENSING • REMOTE PANIC PROTECTION
- 6-TONE SIREN W/REMOTE SELECT POLICE SOUNDS
- CAR LOCATOR • 2-WIRE INSTALLATION
- TRIGGERED ALERT • HORN STOP
- REMOTE KEYLESS ENTRY • REMOTE WINDOW CLOSE
- NOISE ABATEMENT TECHNOLOGY • CARJACK PROTECTION



Patent Pending

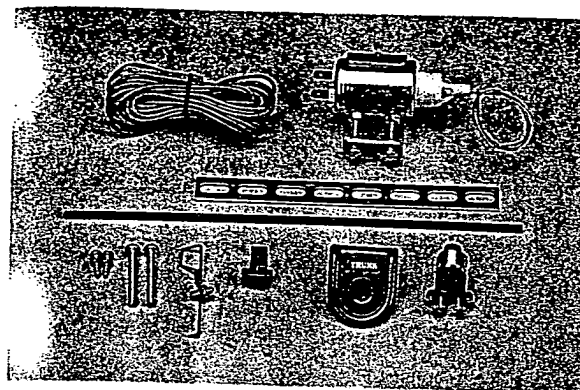
Multi-Channel

REMOTE-CONTROL CONVENIENCE SYSTEM

Model: 100

Features & Options:

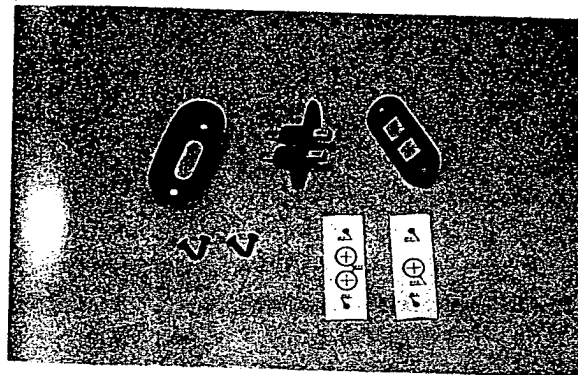
- 2 TWO-BUTTON TRANSMITTER • CODE LEARNING
- CAR LOCATOR • REMOTE KEYLESS ENTRY
- REMOTE WINDOW CLOSING/OPENING
- REMOTE TRUNK RELEASE • STARTER DISABLE
- TWICE RE-LOCK SELECTABLE
- REMOTE ILLUMINATED ENTRY
- NOISE ABATEMENT TECHNOLOGY



POWER TRUNK/HATCH OPENER

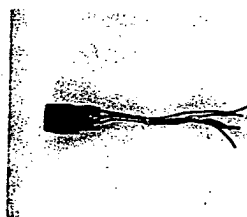
Model: 1000

- PUSH BUTTON OPERATION
- ADDED CONVENIENCE
- BREAKER PROTECTION
- EASY INSTALLATION



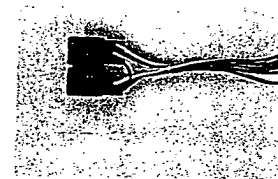
SLID-DOOR ADAPTOR SWITCH

Model: 30



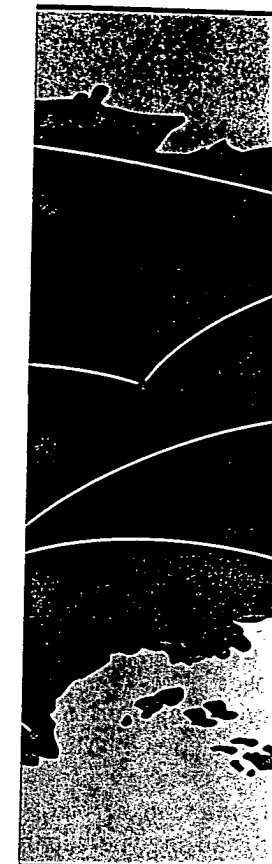
5-PIN RELAY

Model: 15



POWER-LOCK RELAY

Model: 25.



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o anybody, anywhere,

for the vehicle's
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stock batteries
curity system and
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mately \$1,000, the Montgomery
County Department of Police received
exactly what they were looking for:
a basic security system to keep their
emergency vehicle covered. =

Circle 137 on Inquiry Card

cial Communications Commission
(FCC), productivity and efficiency
may increase in numerous indus-
tries, and our nation's ability to com-
pete internationally may show
growth as well.

Circle 137 on Inquiry Card

began testing Person-
communications Network (PCN)
technology in 1989 as a low-cost al-
ternative to cellular. Three compa-
nies received licenses to provide
networks, yet none of the systems
were compatible. Since that time the

HAWK SECURITY SYSTEMS



HAWK 3000

STANDARD FEATURES

- Remote Panic
- Four Function LED Status Indicator
- Valet Mode
- 120dB Six-Tone Siren
- Code Learning
- One Million Code
- Parking Light Flash

- Current Sensing
- Security Diagnostics & Reporting
- Error Bypass & Reporting

PROGRAMMABLE FEATURES

- Passive/Active Arm/Disarm
- Passive/Active Door Lock/Unlock

OPTIONAL FEATURES

- Starter Disable

LIFETIME WARRANTY

Hawk automotive security system offers extensive user friendly convenience features and maximum security protection. The Hawk series delivers ultimate performance by integrating high technology, state-of-the-art, CMOS micro processor circuitry and high-volume productivity to produce versatile security systems that are as easy to use as they are affordable.

DISTRIBUTORS

WESTERN STATES: 714-995-6195, CENTRAL STATES: 312-286-4683, EASTERN STATES: 800-597-1767

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Tel . 800 875 0333

408 456 0333

FAX 408 456 0366

62 Bonaventura Drive

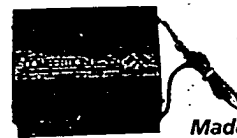
San Jose, CA 95134

September 1993

Installation News

SPECIALS**NEW 1-(800)992-2902**

May

**G&S****Competition Amplifiers**

Made in U.S.A.

- COMP100** 50 watts x2
@ 4 ohms\$169.90
- COMP150** 75 watts x2
@ 4 ohms\$199.90
- COMP200** 100 watts x2
@ 4 ohms\$229.90
- COMP700** 350 watts x2
@ 4 ohms\$399.90

ATC FUSE HOLDER

- 18 Gauge.....67 ea.
16 Gauge.....72 ea.
14 Gauge.....75 ea.
12 Gauge.....80 ea.
10 Gauge.....85 ea.
Min Order 5 Pcs.

MOTOROLA**3"x7" Exponential Horn****KSN 1025A**

- Piezo Driver
- 75 Watts Max
- 96 dB
- 3500Hz-27KHz

\$5.50
Each**CASE LOGIC****Portable CD Case**

- Adjustable Shoulder Strap
- Zippered Access To Jacks
- Velcro Closures
- Extra Pockets For Accessories

DM-1**\$9.65**
Each**ISOPHON****2" Soft Dome Mid Tweeters**

- FS 550Hz ● Made in Germany ● 4 ohms
- 12 oz Magnet ● 400Hz-20KHz ● 50 Watts RMS
- 4"x 4" Plate

KM 11/130**\$17.90**
Each**PHILIPS****1" Dome Tweeter**

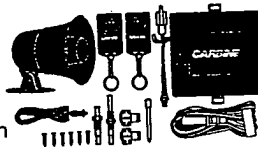
- 10 oz Magnet
- 2KHz-20KHz ● 40 watts RMS ● 8 ohms
- 3 1/2" x 3 1/2" Plate

AD163T8HE**\$6.90**
Each**CRIMESTOPPER**

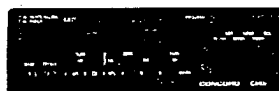
- Code Learning Remote ● Light Flash
- Shock Sensor ● Trunk Release ● Door Lock/Unlock with Auto Lock ● Starter Kill
- Auto Sensor Bypass ● Full Status LED

Remote Alarm
CS9204**\$84.90**
Each

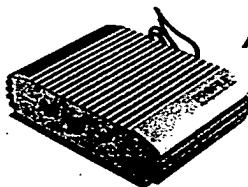
- Code Learning Remote ● Light Flash
- Shock Sensor ● Trunk Release With Auto Disarm ● Auto Lock/Unlock ● On Board Starter Kill ● Auto Sensor Bypass
- Full Status LED ● Remote Chirp Defeat
- 6 On Board Relays

Remote Alarm
CS9206**\$94.90**
Each**MAGNADYNE**

- 6 Tone Siren
- Light Flash
- Remote Panic
- Starter Kill ● Door Lock/Unlock
- 2 Button Remote ● LED Status Indicator

Remote Alarm**AL475****\$61.90**
Each**CONCORD****AMIFM Cassette Deck****Regular Dealer Price \$150.00****CX40X****\$127.90**
Each

- High Power 25 Watts x 2 ● Bi-level Fader ● Loudness ● Music Search
- Digital Clock ● 12 FM/6AM Presets
- Auto Reverse ● Dolby B ● Seek/Scan Tuning

PROFILE**Power Amplifier****New For '92****AMP251****\$92.90**
Each

- Mosfet Power Supply
- Bridgeable
- 50 watts x2 @ .02% THD
- Boost Control

CRUNCH**Performance Plus Woofer****CR124****\$42.90**
Each

- 12" Treated Paper Cone
 - 40 oz Magnet
 - 2" Kapton Voice Coil
 - 200 watts RMS
- Territory Restricted To CA, NV, AZ, NM, HI

FAMOUS MAKE**8" Woofer****FM8****\$15.00**
Each

- 20 oz Magnet
- 1" Voice Coil
- 8 ohms
- Treated Cone
- 50 Watts
- 25Hz - 4kHz

MOREL**Soft Dome Tweeter****Regular Dealer Price \$38.00****MDT28/30****\$29.90**
Each

- 1" Voice Coil
- 1.2 KHz - 20KHz
- 200 Watts Max
- 8 ohms

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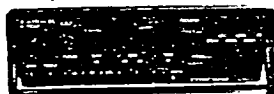
Installation News May 1992

SPECIALS

March



CONCORD - SPECIAL PURCHASE!



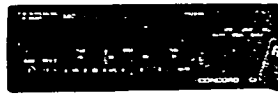
**AMIFM
Cassette
Deck**

Regular Dealer
\$240.00

- High Power 25 Watts x 2
- Pullout DIN Chassis ● 4 Line Outputs + Bi Level Fader
- Loudness ● CD Input ● Auto Reverse ● Music Search ● Dolby B & C ● 12FM/6AM Presets
- Seek/Scan Tuning

CX60X

**\$169.⁹⁰
Each**



**AMIFM
Cassette
Deck**

Regular Dealer
\$180.00

- High Power 25 Watts x 2
- Bi-level Fader ● Loudness
- Music Search ● Digital Clock
- 12 FM/6AM Presets
- Auto Reverse ● Dolby B
- Seek/Scan Tuning

CX40X

**\$127.⁹⁰
Each**

OEM BONUS PACK



5 1/4" Separates

- (2) 5 1/4" 10 oz Bass Drivers
- (2) Philips 845 Tweeters
- (2) Philips 10mm Super Tweeters
- (2) Philips 2 Way Cross-overs
- (2) Non Polar Caps For Super-tweeters
- (2) Sets Wire
- 8 ohms

525Kit

**\$39.⁹⁰
Kit**

PHILIPS



**1" Soft
Dome
Tweeter**

AD11602

**\$9.²⁵
Each**

- 10 oz Magnet ● 2KHz - 20KHz ● Ferro Fluid
- 50 Watts RMS ● 4/8 ohms ● 4 1/2" Round Plate

GLASS SENSOR



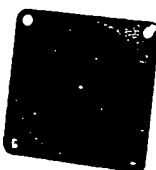
**Fully
Electronic**

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Each**

- Under Dash Mount
- Remote Mounting Mic
- Adjustable Sensitivity
- Neg Output Trigger
- Works With Any Alarm

MOTOROLA



**3" Square
Tweeter**

KSN1005

**\$2.⁶⁵
Each**

- 75 Watts
- 4KHz - 27KHz ● 94Db

PROFILE



- DIN Size ● Removable Anti Theft Panel ● Warranty Against Theft ● Auto Reverse ● 25 Watts x 2 ● 30 Presets
- Music Search ● DNR Noise Reduction

**AMIFM
Cassette Deck
DN928**

**\$121.⁹⁰
Each**

EXCALIBUR



- 2 Remotes ● Light Flash
- Trunk Pop ● Power Maze
- 4 Tone Siren ● Door Lock/Unlock
- Starter Kill ● LED Status Indicator

**Remote
Alarm**

AL700GT

**\$70.⁴⁰
Each**

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Electronic Crossover



- 2 or 3 Way Crossover
- 3 Active Filters
- Adjustable Crossover Frequency
- Night Illumination
- Output Level Controls
- 1/2 DIN In-Dash Mount

AP470

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Each**

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Cost:
\$113.97
Each

6" MID WOOFER



US Made

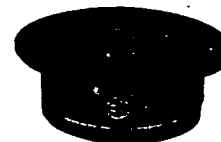
RTR6

**\$9.⁷⁰
Each**

- 10 oz Magnet
- 1" Voice Coil
- 8 ohms
- 30 Watts
- Foam Surround
- 30Hz - 4.5KHz

MOREL

Soft Dome Tweeter



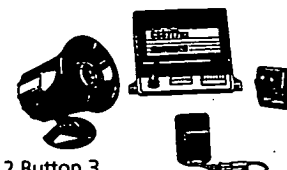
Regular Dealer
\$39.00

MDT28/30

**\$29.⁹⁰
Each**

- 8.5 oz Magnet
- 200 Watts Max
- 1" Exposed Dome
- 1.2KHz - 20KHz

CRIMESTOPPER



**Remote
Alarm**

CS8717

**\$155.⁰⁰
Each**

- 2 Button 3 Channel Remote
- Expansion Ready
- Code Learning
- Remote ● Starter Kill (Incl. Relay) ● Light Flash ● Shock Sensor
- 3 Zone Bypass
- Trunk Pop ● Self Diagnostic ● Door Lock/Unlock ● Six Function LED

12 VOLT DC FAN



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Each**

- Small Size
- 2 1/4" sq
- Brushless Construction
- Perfect For Cooling Amps

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Voice Coil
Woofer**

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Each**

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March 1992

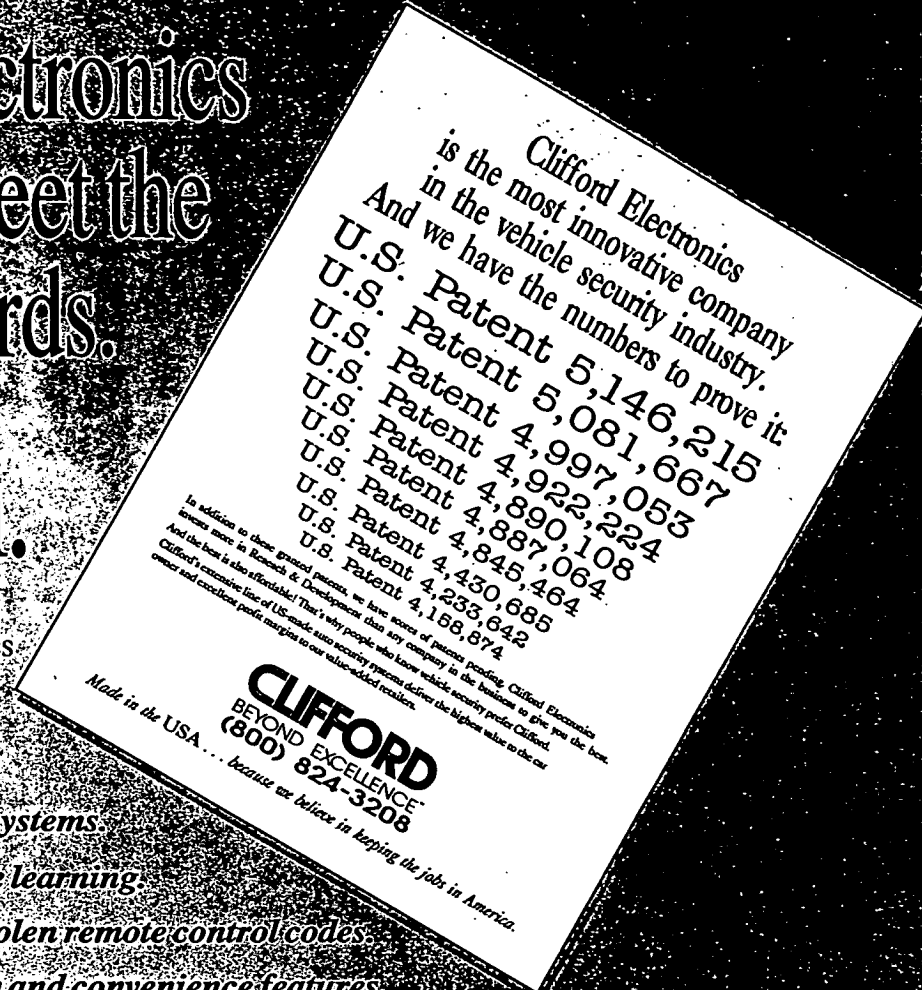
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- ☑ *Unbreachable remote control security with more than 4 billion digital codes.*
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- ☑ *Digital signal processing (DSP) glass sensor with automatic self-calibration.*
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- ☑ *Remote engine starting with a 12,000-MILE RANGE.*
- ☑ *Safe engine shutdown from anywhere in the world while a thief is driving the vehicle.*
- ☑ *FACT—absolute elimination of recurring false alarms.*
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- ☑ *Prior intrusion attempt alert.*
- ☑ *Automatic self-diagnostics.*
- ☑ *Automatic bypass of trigger/sensor malfunction.*
- ☑ *Courtesy light illumination upon remote disarming.*
- ... and many more innovations.

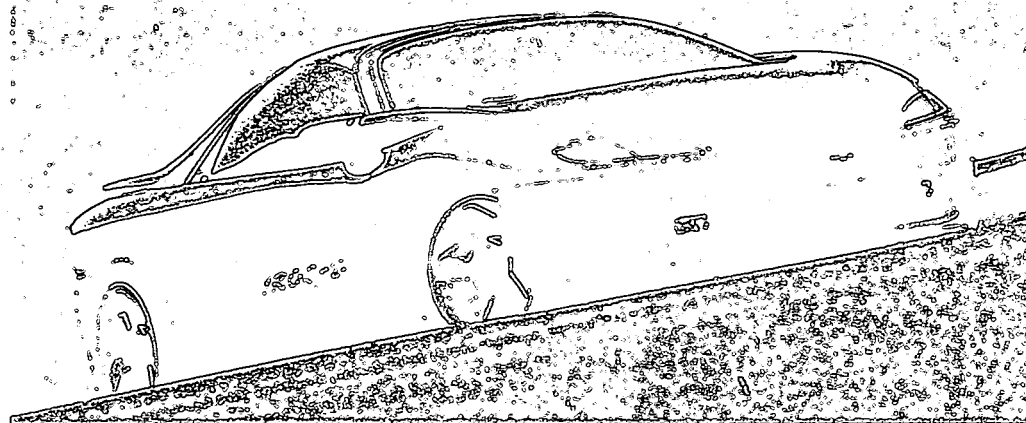
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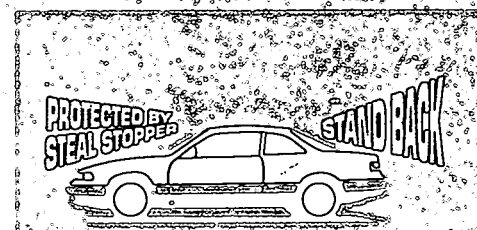
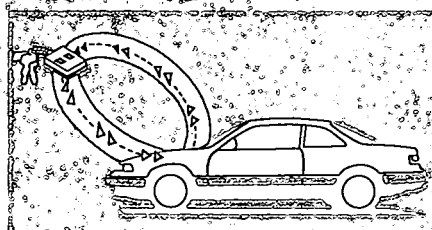
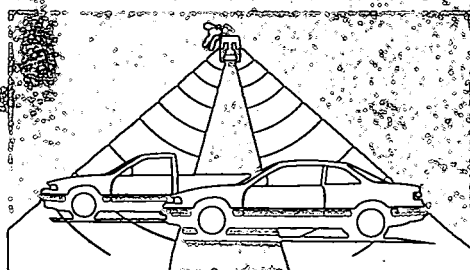
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- Simple • Smart • It Stings • It's Versatile •
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Over 4 million people have trusted their vehicle's security to Steal Stopper since 1978.

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MEDUSA III

We have,

1. Perfect Features:

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2. Separate Faulty Door & Sensor Input Report (5 seconds after arming)
3. Separate Door & Sensor Tamper Report (5 seconds after disarming)
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5. Ignition Auto Lock & Unlock
6. Passive lock
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9. 2nd (Pulse) & 3rd (Continuous) Channel Outputs

2. Unconditional Guarantee:

If you are not satisfied, demand for
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We will exchange or refund full amount.

3. Special Price:

\$64.95 /unit includes,

2 programming remote controls, 128 db. 6 tone Siren
& Elec. Magnetic Resonate Sensor (\$ 14.95 Wholesale)

Medusa Auto Security

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portion of the car.

"It was very time-consuming getting the wood to fit into all the angles," he noted.

Security System and Cellular Phone Finish It All Off

Not to be outwitted, Bower wanted to protect all of the components he installed into his car. He wanted a security system that had a host of

features and that would be reliable.

For this reason, he chose the Alpine 8040 security system. The 8040 is an interior and exterior perimeter detection system that senses movement and speed of movement and then warns an intruder away through a series of quiet chirps.

The goal of the system is to warn the intruder away before he or she makes contact with the vehicle. The

interior and exterior sensors were mounted underneath the center console and are fully hidden.

One interesting part of this system is that it is connected to an Alpine 8200 portable paging system. A paging unit was placed next to the alarm brain. The two-channel system works as follows: if an intruder activates the interior or exterior perimeter sensors, Bower will be notified on his portable pager through the activation of a green light on this unit.

For business and personal use, Bower installed an Audiovox SP-85A cellular phone with hands-free operation. The phone was mounted onto a cradle which was installed just to the right side of the CD controller and gearbox.

Audio Design Cuts Down On Installation Time

The total installation time for the audio, security and cellular components in the Honda took approximately 115 hours, with 75 hours spent on the actual installation, and 40 hours spent designing the system.

Although Bower had to do some cutting for the speakers, he actually saved himself a good deal of time, in that he didn't have to cut out the dash of the vehicle, or even cut new locations into the door panels. He also didn't have to build a separate enclosure for the subwoofers, and he used factory locations for the rear deck speakers.

Perhaps the most time spent during this install was on cutting out locations inside of the trunk for all of the components to be flush-mounted inside a plexiglass enclosure.

While Bower found many shortcuts, one thing he didn't fall short on was sound quality. He noted that the kickpanel speaker configurations produced excellent left, right and center channel imaging, and that the enclosureless 12-inch speakers performed better than expected.

In addition to creating a system that cut down on time and performed well, Bower was able to leave a lot of room in the vehicle, enabling it to be used on trips as well as on the show-room floor.



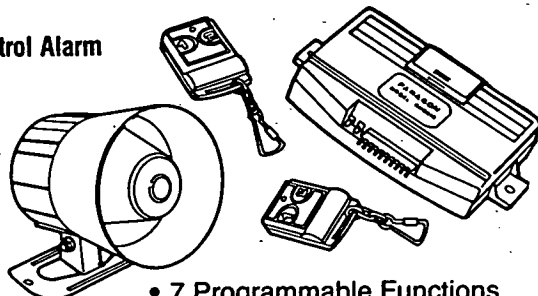
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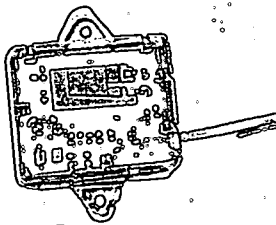
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**SILENT
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**NO FALSE
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**STARTER
DISABLE**

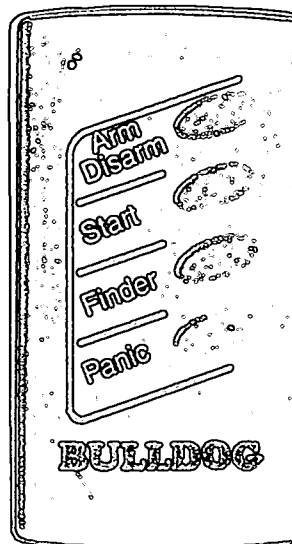
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JACKING**

**WARN AWAY
CHIRP**
For high theft areas

**PASSIVE
ARMING**

**FULL TIME
INSTANT PANIC**
With or without engine running

**CAR
FINDER**

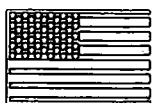
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Control 9 Vehicles.

Trunk Release.

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4,500,000,000,000,008 Possibilities

Most car alarm systems just arm the alarms, and they don't do a very good job at that. If you're looking for value-added profits from your car alarm line, you should be selling the Avital Mark 3 Series of car alarms. It outsmarts code-grabbers with unique *Stealth Coding™* protection.

Avital's sleek 3-button/9-channel keychain remote control puts your customers in charge of impenetrable security features and state-of-the-art conveniences.

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Installation News

July 1995

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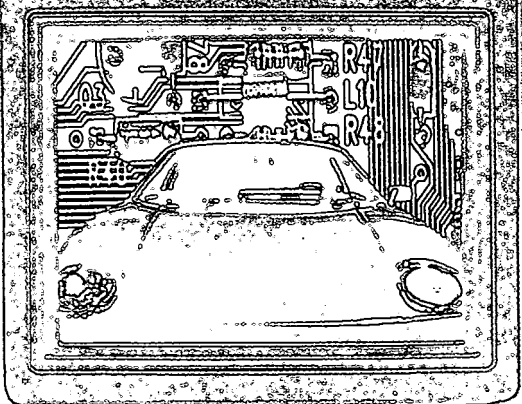
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Photos by Tom Gerczynski

Installation House

July 1995

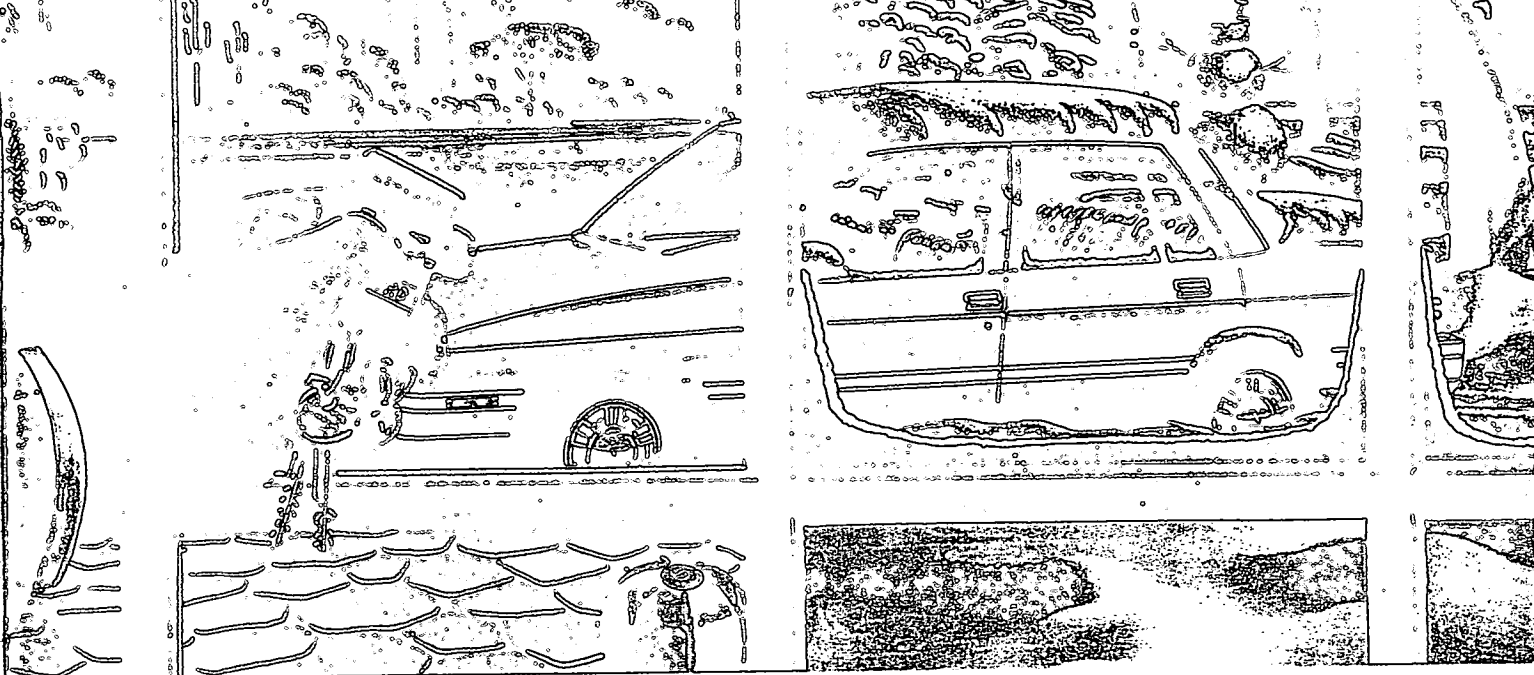
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Crank It Up!

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Warm up your winter sales, put a bounce in your spring profits, and earn cool cash all summer long selling the incredible Clifford *Smart Remote Starter*™—the ultimate automotive accessory for all seasons. Your customers can start their vehicle's engine from up to 300 feet away with just a press on the miniature remote control! Imagine the comfort of total climate control when the driver is greeted by a cozy warm interior in the dead of winter, and a refreshingly cool one at the height of summer. Clifford's *Smart Remote Starter* is a stunning technological marvel that combines parallel processing, dual CMOS microprocessors and a sophisticated artificial intelligence algorithm to execute and supervise all operations at an incredible one million operations per second. Just check out the remarkable standard features of the *Smart Remote Starter*:

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- ☑ **Automatic "Over-Rev" Protection**—Guards against stuck throttle conditions.
- ☑ **StarterGuard™**—Automatically prevents starter grinding if the ignition switch is accidentally turned to the starter position while the engine is running.
- ☑ **AutoShutDown™**—Automatically shuts down the engine after 10 minutes if the vehicle is left unattended.
- ☑ **Cellular Antenna**—Elegant high-gain (+5dB) antenna easily mounts on the trunk lip without drilling a hole.
- ☑ **Anti-Theft Measures**—If anyone other than the owner tries to drive the vehicle or even open the hood, *Smart Remote Starter* will automatically and immediately shut down the engine.
- ☑ **Self-Programming**—Automatically programs itself to the number of the engine cylinders.

Installation of the *Smart Remote Starter* is straightforward, requires no mechanical knowledge, and can be performed by most alarm installers in less than three hours. For additional convenience, order the optional dual-button *Remote QuickLock™* and your customer will get a remote control that commands both the *Smart Remote Starter* and the vehicle door locks.

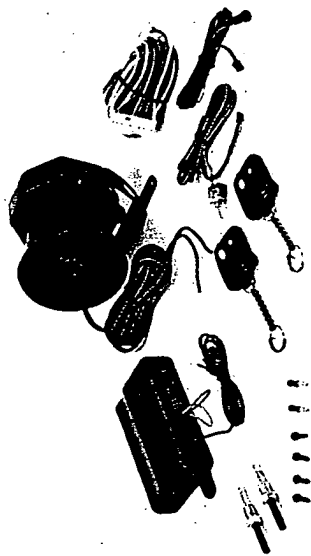
The ultimate in convenience is also affordable. The *Smart Remote Starter* costs no more than a mid-range car stereo.

September 1988

CLIFFORD
ELECTRONICS, INC.

Installation
News

20750 Lassen Street • Chatsworth, California • (818) 709-7551



Models: FBI-515 & 517

Since 1970, More than 8 Million People Worldwide Have Trusted
Their Vehicle's Security To The Makers Of FBI Car Alarms

FBI's high quality vehicle security systems give you total vehicle security, plus the luxury of remote control vehicle access, from a key-chain style remote transmitter. Enjoy the peace of mind of knowing that your alarm is alert to any attempt to tamper with your vehicle and that when you return, the system enables you to enter your vehicle swiftly and safely. FBI Car Alarms include the following features:

Arm Confirmation Chirp

The press the large button from your key-chain transmitter will arm this system with one short audible siren chirp to confirm that the alarm is armed.

Disarm Confirmation Chirp

Pressing the large transmitter button once more will disarm the alarm system and is confirmed by two short audible siren chirps.

CODE JUMPING™ and Scan Deterrent Receiver

The FBI-517 Car Alarm features a scan deterrent receiver with billions of possible coding combinations. In addition, each time that you press the transmitter button the transmitter will jump to a new digital code. Therefore, you never transmit the same code twice, thus preventing a "code grabbing device" from operating your alarm system.

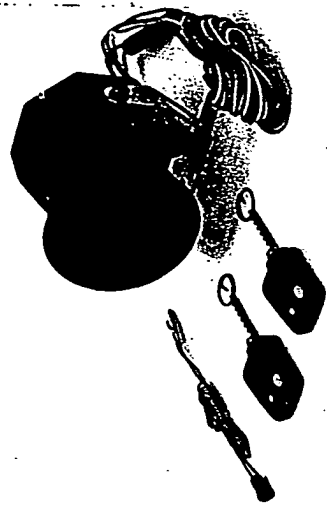
Pre-warn Inputs

The FBI-410 & 411 Car Alarms come with a pre-warn siren chirp circuit that uses a built-in dual zone shock sensor to warn potential thieves to stay away from your car without triggering your FBI Car Alarm.

127dB Single Tone Pico Siren

The FBI-410 & 411 Car Alarms are capable of generating a siren sound of up to 127dB. This will create more than enough noise to warn you in the event of an alarm trigger and cause the thief to flee.

FBI CAR ALARM



Models: FBI-410 & 411

In the event your car is broken into. It can also operate optional Window Roll-up Module which will automatically roll up your car's windows when you arm your vehicle from transmitter. Ask your dealer for details.

Parking Light Output

This output will flash your vehicle's parking lights when you arm and disarm your alarm as well as flash the parking light and off while the alarm is sounding.

Door Lock / Unlock / Trunk Release

Available with the FBI-515 & 517, a door lock output featured that will lock and unlock your vehicle's electronic locks when you arm and disarm your alarm. A trunk release output is also available with these models that can operate vehicle's electronic trunk release from your alarm transmitter. Ask your dealer about installing these options.

Passive Arming / Passive Door Locking

When programmed, the alarm will automatically arm itself seconds after the last door is closed. When the passive locking feature is selected and the optional door locking relay are installed, the alarm will also lock your vehicle's electronic door locks.

Remote Panic From Transmitters

In the event that a threatening situation should arise, FBI Alarms can be triggered remotely from the alarm's transmitter by simply pressing the large button for three seconds. This very effective personal security measure when walking to your vehicle.

Valet Switch

In the unlikely event that you should lose your transmitter, alarm can be deactivated using the valet switch in conjunction with your ignition key to disarm your alarm.

60 Second Auto Shutdown and Rearm

Each FBI Car Alarm contains a 60-second automatic shutdown and rearm circuit which will keep the alarm legal within most local noise ordinances for alarm devices. The system will also rearm itself after the automatic shutdown has overridden any circuits that are defective or open at the time of rearming. This override circuit also works when you arm your alarm with a door open. The alarm will automatically arm and by-pass an open door or defective circuit until the door is closed or circuit repaired.

LED Status Indicator Light

A LED Status Indicator Light comes with each alarm. When connected, it gives you a visual indication of the status of the alarm's operational modes.

CODE LEARNING Alarm Modules

All FBI Alarms can be programmed to operate from up to four different transmitters. The alarm circuitry is designed to be intelligent enough to code itself to the transmitters that you select. You will never again have to cut traces or flip switches to make your transmitters work your alarm. Transmitter replacement is now a breeze. Nobody, not even your installer, will know what your transmitter code is.

127dB Multi-tone Siren

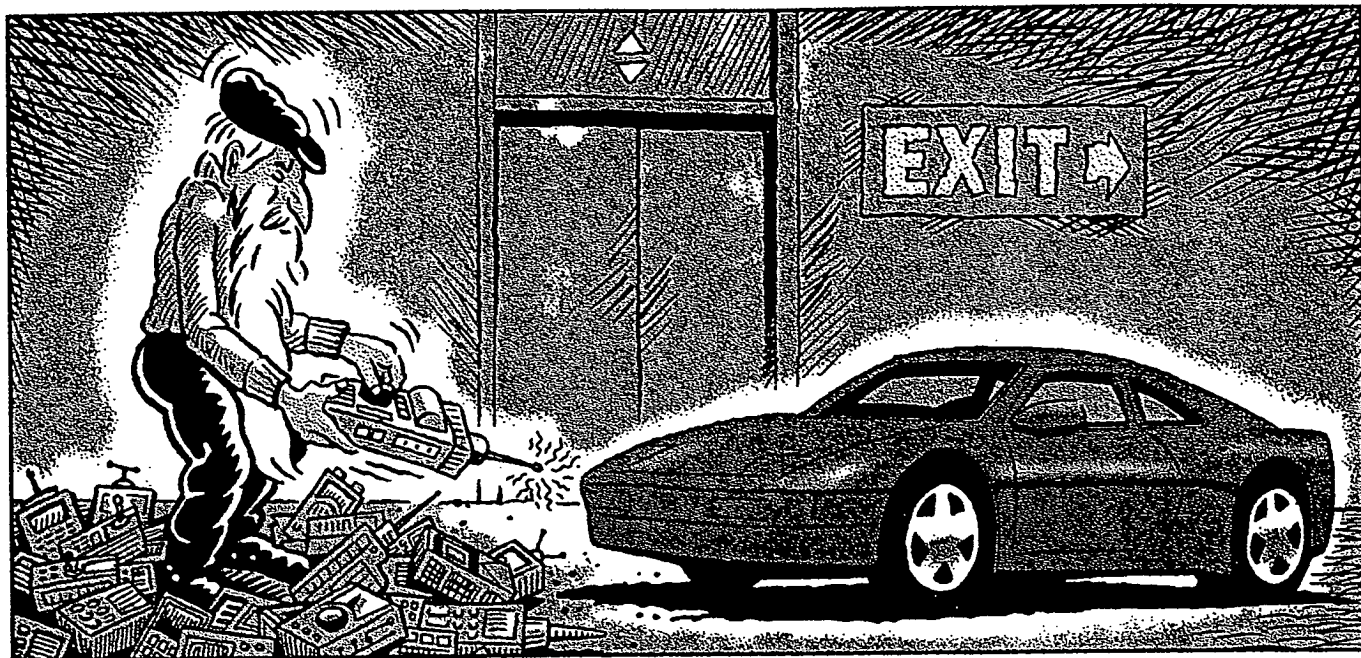
The FBI-515 & 517 alarm sirens can generate a loud 127dB multi-tone sound whose tones change more than 12 times a minute. The tones are distinctive enough to be recognized by you in the event your alarm is triggered.

Starter Interrupt Circuit

When any FBI Car Alarm is armed, it creates a 500ma ground output that can be used to operate an optional Starter Disable Relay. This relay, when connected, will allow your alarm to disable your vehicle's starter and prevent it from operating

SOME PEOPLE NEVER LEARN!

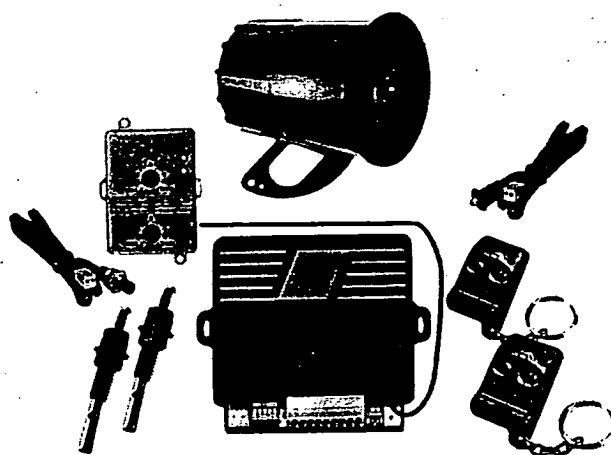
With CODEBUMP™ technology,
code grabbing is a thing of the past.



Be prepared for today's car thieves with SECO-LARM®'s new ENFORCER® 100A8, featuring patented CODEBUMP™ technology. With CODEBUMP™, the alarm's RF code changes every time the transmitter button is pressed. In addition, with over 18 quintillion (1.8×10^{19}) codes, the chances of ever repeating a code are virtually non-existent. So-called "code-grabbers" and "scanners" are rendered obsolete - a thing of the past.

The ENFORCER® 100A8 also comes with all of these advanced features:

- Code learning of up to 5 different transmitters utilizing EEPROM microprocessor.
- All plug-in lock & modular features for simpler installation and trouble shooting.
- Patented 2-stage electromagnetic shock sensor with built-in pre-intrusion alert to warn off thieves.
- Miniature alarm brain and RF transmitters.
- Quiet Chirp™ and Quiet Mode to avoid disturbing your neighbors when arming and disarming.
- Lifetime Limited Warranty.



SECO-LARM®

17811 SKY PARK CIRCLE, SUITE D & E
IRVINE, CA 92714

(800) 662-0800, Calif. (714) 261-2999 FAX (714) 261-7326

Circle 165 on Inquiry Card

Installation News *December 1994*

Alarm Features

	FBI-410	FBI-411	FBI-515	FBI-517
One Piece Self-Contained Alarm System	X	X	X	X
Transmitter Programmable Shock Sensor	X	X	X	X
27MHz Piezo Siren	X	X	X	X
Built-In Shock Sensor	X	X	X	X
Two Three Freq. Key Chain Transmitters	X	X	X	X
Pre-warn Circuit	X	X	X	X
CODE LEARNING Transmitters	X	X	X	X
Remote Panic From Transmitters	X	X	X	X
Rem Deterrent Receiver	X	X	X	X
Anti Confirmation Chirp	X	X	X	X
Dis-Arm Confirmation Chirp	X	X	X	X
Auto. 60 Second Shutdown and Re-arm	X	X	X	X
Door Open Auto Reset	X	X	X	X
LED Status Indicator Light	X	X	X	X
Negative Trigger Input	X	X	X	X
Interior Interrupt Circuit	X	X	X	X
Two Window Decals	X	X	X	X
Initial Lifetime Warranty	X	X	X	X
Parking Light Output	X	X	X	X
Positive Trigger Input	X	X	X	X
Door Lock / Unlock Output	X	X	X	X
Modular Style Alarm System	X	X	X	X
Trunk Release Output	X	X	X	X
4-let Switch	X	X	X	X
27MHz Multi-Tone 12 Volt Siren	X	X	X	X
Programmable Exit Delay	X	X	X	X
Programmable Passive Arming	X	X	X	X
Programmable Passive Door Locking	X	X	X	X
CODE JUMPING™ Technology	X	X	X	X

FBI Car Alarm Limited Lifetime Warranty

FBI Car Alarm will repair or replace any factory defective electronic parts to the original owner for the lifetime of the vehicle in which it was originally installed FREE of charge for the first year with a nominal charge for labor, handling, and shipping thereafter. See the Owners Manual for complete warranty details.

FBI Car Alarm
981 North Laurel Hickory Road
Douglasville, Georgia 30134
(404) 942-0876

FBI CAR ALARM

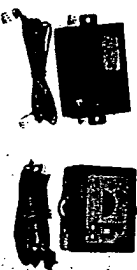
Alarm Accessories



AU-94 Proximity Sensor & AU-94T Dual Zone Proximity Sensor

Our popular single zone and dual zone "Radar" style sensors are designed to detect an intruder's presence and trigger your alarm before he actually touches your vehicle. Sensitivity range is fully adjustable on both sensors.

Our dual zone Magnetic-Induction shock sensor with pre-warn output will detect sharp forceful blows a thief would use to break into your vehicle. A soft "bump" will cause the alarm to chirp warning the offender away. A hard hit will cause the siren to sound.



AU-84T Shock Sensor



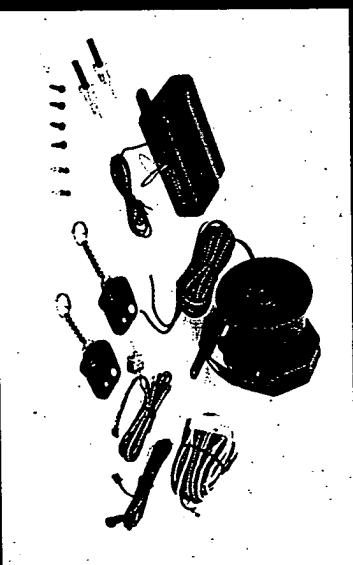
AU-95T Dual Zone Air Pressure Sensor

As the newest sensor to our line, the AU-95T has been specifically designed to detect the sharp air pressure changes created inside a vehicle whenever a door is opened or closed. Both zones are independently adjustable for maximum efficiency.

Distributed By:

FBI CAR ALARM

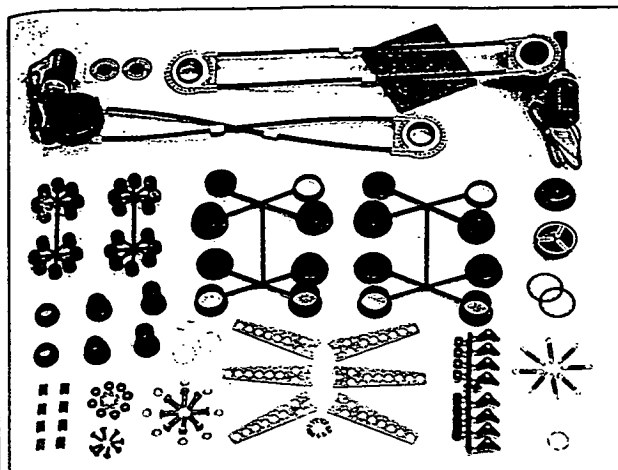
Since 1970,
More Than 8 Million People World-Wide
Have Trusted Their Vehicles Security
To the Makers Of
FBI Car Alarms



MODELS:

FBI-410
FBI-411
FBI-515
FBI-517

AFFORDABLE PROTECTION
SOLID AS STEEL!

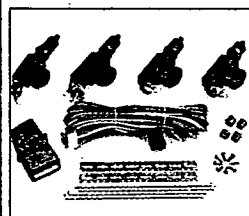
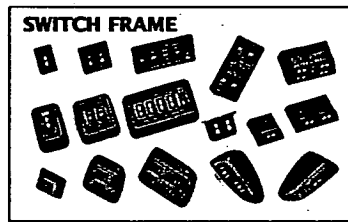
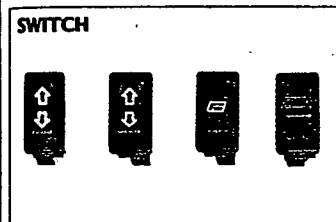


■ UNIVERSAL POWER-WINDOW

Patented

Model: 8000, 12V. DUAL WINDOW MOTOR KIT

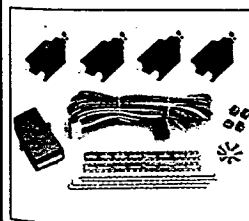
- 2-WINDOW MOTOR KIT.
- FAST, QUIET AND SMOOTH WINDOW OPERATION.
- NEW POWERFUL MOTOR WITH THERMAL BREAKER.
- IMPROVED TRANSMISSION STRUCTURE, TRANSMISSION.
- CABLE EXTENSION ADAPTABLE.
- COMPLETE SPARE PARTS.
- A VARIETY OF SWITCHES & FRAMES AVAILABLE TO HELP COMPLEMENT VEHICLE INTERIOR.



■ GUN SHAPE POWER-LOCK

Model: 2200 (2-door) 2290 (Remote 2-door)
4200 (4-door) 4290 (Remote 4-door)
2202 (2-wire actuator)
2205 (5-wire actuator)

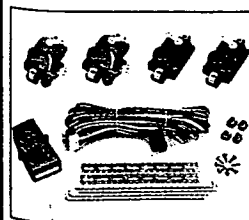
- TRAVEL DISTANCE: 3/4 INCH
- TORQUE: 6.6 LB.
- BOTH FRONT DOORS CONTROL
- COMPATIBLE WITH ALARM



■ O. E. TYPE POWER-LOCK

Model: 2300 (2-door) 2390 (Remote 2-door)
4300 (4-door) 4390 (Remote 4-door)
2302 (2-wire actuator)
2305 (5-wire actuator)

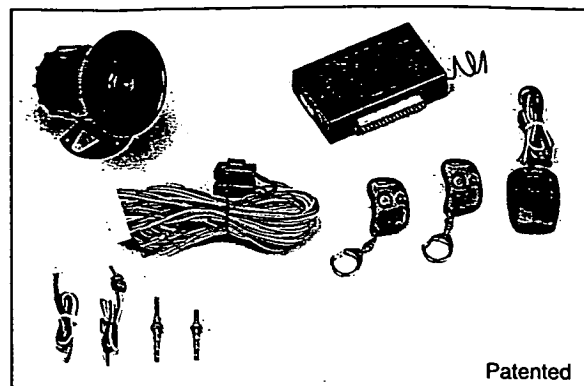
- TRAVEL DISTANCE: 3/4 INCH
- TORQUE: 5.95 LB.
- BOTH FRONT DOORS CONTROL
- COMPATIBLE WITH ALARM



■ H-TYPE POWER DOOR-LOCK

Model: 2500 (2-door system)
2590 (Remote control 2-door)
4500 (4-door system)
4590 (Remote control 4-door)
2502 (2-wire actuator)
2505 (5-wire actuator)
2501 (Switch act. 2-door)
4501 (Switch act. 4-door)

- TRAVEL DISTANCE: 11/16 INCH (18mm)
- PUSH/PULL FORCE: 11.0 LB (5 kgs)
- MANUAL OPERATION FORCE: 5 OZ (140 gs)



Patented

■ REMOTE SECURITY SYSTEM FOR VEHICLES

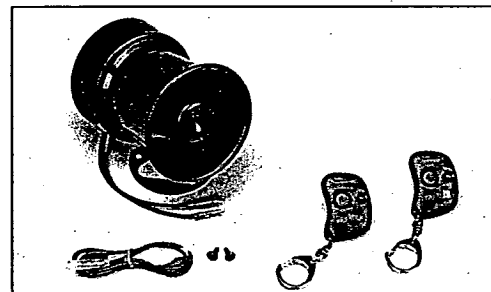
Model: 400, 600, 360 & 260 series

- CODE-LEARNING
- VALET/OVERRIDE SWITCH
- STATUS LED
- AUDIO ARM/DISARM/DEFECTIVE ZONE CONFIRMATION
- DEFECTIVE ZONE BY-PASS
- MUTE ARM/DISARM
- PASSIVE, TWICE/ACTIVE ALARM/LOCK SELECTABLE
- VOLTAGE SENSING SELECTABLE
- PARKING LIGHT FLASH
- 2-STAGE & REMOTE CONTROL SHOCK SENSOR
- REMOTE WINDOW CLOSING AND/OR OPENING
- REMOTE ILLUMINATED ENTRY
- CARJACKING PROTECTION
- WARNING AWAY/CAR LOCATOR
- STARTER DISABLE
- REMOTE KEYLESS ENTRY
- REMOTE TRUNK RELEASE
- PANIC
- HORN STOP
- 6 TONE SIREN

■ RANDOM-CODE REMOTE SECURITY SYSTEM

Model: 702

- The both codes of transmitter & receiver will be changed at the same time after each arm/disarm

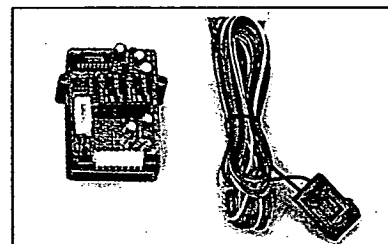


■ DIY ALARM

PATENTED

Model: 200

- BUILT-IN 2-STAGE AND REMOTE CONTROL SHOCK SENSOR
- VOLTAGE SENSOR
- 6-TONE SIREN WITH REMOTE SELECT POLICE SOUND
- PANIC
- 2-WIRE HOOK UP
- SPARE REMOTE KEYLESS ENTRY
- CARJACK PROTECTION
- WARNING AWAY/CAR LOCATOR



■ WINDOW/SUNROOF CONTROLLER

■ WINDOW/SUNROOF CLOSER

U-CON Corp.
15323 Proctor Ave., City of Industry, CA 91745-1022
TEL: (818) 855-0973, 855-0944 FAX: (818) 855-0934
Come see us at the ME Show, Booth #259

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Installation News April 1995